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Henry W. Stuckeln, Charles R. Park, Charles M. Wareham; Ralph D. McIntire and Earl P. Stevenson to be instructors, and Roger B. Brown, James F. Maquire, Jr., Alden D. Nute, Chandler T. White, Walter G. Whitman, Edward Zeitfuchs, Louise P. Johnson, Frank F. Hansen, Earle E. Richardson and A. G. Richards to be assistants. Amy Walker to be research assistant in chemistry and Duncan A. MacInnes research associate and Leon Adler, research assistant in physical chemistry. In electrical engineering, Edwin A. Ekdahl, and Clifford E. Lansil, to be assistants. In biology and public health, Dr. Francis H. Slack, to be instructor, and Elmer H. Heath, Jr., to be assistant. In physics, Arthur C. Hardy and Joseph DeL. McManus to be assistants. In naval architecture, P. L. Rhodes to be assistant, and Edwin E. Aldrin, George M. Denkinger and Edward P. Warner, to be assistants in aeronautical engineering. In electrochemistry, Casimiro Lana to be assistant. In mechanical drawing, Charles R. Mabie and Walter C. F. Gartner to be assistants. In mathematics, W. H. Wilson to be instructor. In business management, Erwin H. Schell to be assistant professor. In English and modern languages, Frank L. Hewitt, Penfield Roberts and Arthur L. McCobb to be instructors.

#### THE UNIVERSITY OF PITTSBURGH AND THE ARMY MEDICAL SERVICE

Forty-two per cent. of the teaching staff of the school of medicine, University of Pittsburgh, have enlisted in the medical service of the government. The following men are in Base Hospital No. 27:

*Surgery.*—Major Robert T. Miller, professor of surgery; Captain Paul R. Sieber, assistant professor of surgery; Captain Stanley S. Smith, assistant professor of ophthalmology; Captain John R. Simpson, assistant professor of otology; Captain Edward J. McCague, instructor in surgery; First Lieutenant J. W. Robinson, instructor in surgery; Captain Eben W. Fiske, demonstrator in orthopedic surgery; First Lieutenant R. J. Frodey, instructor in gynecology; First Lieutenant John H. Wagner, demonstrator in surgery; First Lieutenant Bender Z. Cashman, instructor in surgery.

*Medicine.*—Major James D. Heard, professor of medicine; Major T. S. Arbuthnot, associate professor of medicine; Major Howard G. Schleiter, assistant professor of medicine; First Lieutenant R. R. Snowden, instructor in medicine; First Lieutenant A. H. Colwell, instructor in medicine; First Lieutenant C. B. Maits, demonstrator in medicine;

First Lieutenant A. P. D'Zmura, demonstrator in medicine.

*Laboratory.*—Captain H. H. Permar, instructor in pathology; First Lieutenant F. M. Jacob, instructor in immunology.

*Registrar.*—Captain Edward W. zur Horst, demonstrator in medicine.

The following men from the teaching staff have received commissions in the Medical Officers Reserve Corps:

Dr. R. H. Boots,	Mr. J. Garfield Houston,
Dr. D. Hartin Boyd,	Dr. T. D. Jenny,
Dr. Ewing W. Day,	Dr. H. S. Kenny,
Dr. A. W. Duff,	Dr. F. V. Lichtenfels,
Dr. R. M. Entwisle,	Dr. George C. Johnston,
Dr. Wade Carson,	Dr. M. B. Magoffin,
Dr. S. K. Fenollosa,	Dr. C. H. Marcy,
Dr. J. W. Fredette,	Dr. E. W. Meredith,
Dr. H. C. Flood,	Dr. H. T. Price,
Dr. Carl Goehring,	Dr. R. V. Robinson,
Dr. J. B. Gold,	Dr. David Silver,
Dr. J. P. Griffith,	Dr. H. W. Stevens,
Dr. J. L. Gilmore,	Dr. W. C. White,
Dr. R. T. Hood,	Dr. E. E. Wible.
Dr. F. H. Harrison,	

#### THE WAR AND NAVY DEPARTMENTS AND THE COAST AND GEODETIC SURVEY

AN executive order has been issued transferring to the service and jurisdiction of the War Department and the Navy Department certain vessels, equipment and personnel of the United States Coast and Geodetic Survey. It reads as follows:

In accordance with the authority vested in me by the "Act to temporarily increase the commissioned and warrant and enlisted strength of the Navy and Marine Corps and for other purposes," approved May 22, 1917, I Woodrow Wilson, President of the United States of America, do hereby declare that a national emergency exists and do direct that there be transferred to the service and jurisdiction of the Navy Department for temporary use the following vessels, including equipment and personal other than commissioned officers thereof: *Surveyor, Isis, Bache*.

Also there shall be transferred to the service and jurisdiction of the Navy Department the following named persons now part of the commissioned personnel of the Coast and Geodetic Survey:

William E. Parker,	Robert F. Luce,
Nicholas H. Heck,	Thomas J. Maher,
Clifford G. Quillian,	Francis G. Engle,
Paul C. Whitney,	Leon O. Colbert,
Francis H. Hardy,	Harry A. Seran,
Raymond S. Patton,	Paul M. Trueblood,
Gilbert T. Rude,	Richard R. Lukens,

Arthur J. Ela,  
Arthur Joachims,  
Harold A. Cotton,  
Alfred L. Giacomini,  
George C. Mattison,  
Fritz C. Nyland,  
Eustace S. Walker,  
Harrison R. Bartlett,  
William V. Hagar,  
Kenneth T. Adams,  
Raymond V. Miller,  
Frederic L. Peacock,

Ray L. Schoppe,  
Conrad T. Bussell,  
Leroy P. Raynor,  
Gardiner Luce,  
Lyman D. Graham,  
Stanley T. Barker,  
Leo C. Wilder,  
Paul V. Lane,  
Wilmer O. Hinkley,  
George H. Durgin,  
Charles K. Green,  
George L. Bean.

Also there shall be transferred to the service and jurisdiction of the War Department, and I do hereby appoint and direct that they be commissioned and ordered to active duty as of date of this order, in the Officer's Reserve Corps in the grades set opposite their names, the following named persons now part of the commissioned personnel of the Coast and Geodetic Survey:

John T. Watkins, captain, U. S. R.,  
Carey V. Hodgson, captain, U. S. R.,  
John H. Peters, captain, U. S. R.,  
John D. Powell, first lieutenant, U. S. R.,  
Isaiah M. Dailey, first lieutenant, U. S. R.,  
Otis W. Swainson, first lieutenant, U. S. R.,  
George D. Cowie, first lieutenant, U. S. R.,  
Ernest E. Reese, first lieutenant, U. S. R.,  
Frank S. Borden, first lieutenant, U. S. R.,  
Max Steinberg, first lieutenant, U. S. R.,  
Harry T. Kelsh, Jr., first lieutenant, U. S. R.,  
Ernest W. Eickelberg, first lieutenant, U. S. R.,  
Arthur S. Hallberg, first lieutenant, U. S. R.,  
William H. Clark, first lieutenant, U. S. R.,  
Bert C. Freeman, first lieutenant, U. S. R.,  
Raymond A. Wheeler, second lieutenant, U. S. R.,  
Andrew C. Witherspoon, second lieutenant, U. S. R.,  
Herbert R. Grummann, second lieutenant, U. S. R.,  
Roland K. Bennett, second lieutenant, U. S. R.,  
Max O. Witherbee, second lieutenant, U. S. R.,  
Payson A. Perrin, second lieutenant, U. S. R.,  
Aaron L. Shalowitz, second lieutenant, U. S. R.,  
Roland D. Horne, second lieutenant, U. S. R.,  
Robert J. Hole, second lieutenant, U. S. R.,  
Frederick E. Joekel, second lieutenant, U. S. R.,  
Harrold W. Pease, second lieutenant, U. S. R.,  
Benjamin Galos, second lieutenant, U. S. R.,  
John W. Cox, second lieutenant, U. S. R.,  
George R. Hartley, second lieutenant, U. S. R.,

Also there shall be transferred to the service and jurisdiction of the War Department, and I do hereby appoint and direct that they be commissioned and ordered to active duty as of date of this order in the Officer's Reserve Corps in the

grades set opposite their names, the following named persons now part of the personnel of the Coast and Geodetic Survey:

Edmund P. Ellis, captain, U. S. R.,  
James W. McGuire, captain, U. S. R.,  
Earl F. Church, first lieutenant, U. S. R.,  
Oscar S. Adams, first lieutenant, U. S. R.,  
Percy B. Castles, first lieutenant, U. S. R.,  
Charles A. Mourhess, first lieutenant, U. S. R.,  
Walter D. Lambert, first lieutenant, U. S. R.,  
Walter N. McFarland, second lieutenant, U. S. R.,  
S. L. Rosenberg, second lieutenant, U. S. R.,  
H. S. Rappleye, second lieutenant, U. S. R.

The War and Navy Departments shall return to the service and jurisdiction of the Department of Commerce any or all of the material or personnel of the United States Coast and Geodetic Survey transferred by this order when directed by me so to do.

WOODROW WILSON

THE WHITE HOUSE,

24 September, 1917

#### SCIENTIFIC NOTES AND NEWS

PLANS are under way for the Pittsburgh meeting of the American Association for the Advancement of Science from December 28 to January 2. The Carnegie Institute, the Carnegie Institute of Technology and the University of Pittsburgh are uniting in preparing to entertain the association. Dr. W. J. Holland, director of the Carnegie Museum, is chairman of the committee on arrangements, and S. B. Linhart, secretary of the University of Pittsburgh, is secretary of the committee. Secretaries of affiliated societies and of other organizations meeting at this time are requested to send to the secretary as soon as possible the approximate number of members of each organization who expect to attend; the time for which meetings are to be arranged; also any social functions which will be included in their plans; and also whether lantern or moving picture equipment will be required for any of these meetings. Information in regard to entertainment, hotel rates, etc., can be secured from the secretary.

THE Bell Memorial, erected in honor of Alexander Graham Bell and his invention in 1874, of the telephone, was unveiled on October 21, at Brantford, by the Duke of Devon-